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CAPACITY-BUILDING

Submissions from Parties included in Annex II to the Convention

Note by the secretariat

Addendum

1. At its fifth session, the Conference of the Parties, by its decision 10/CP.5, requested Annex II Parties to the Convention to submit information which supplements the information contained in their national communications on activities and programmes which facilitate capacity-building in developing countries in the area of climate change, by 1 March 2000 (FCCC/CP/1999/6/Add.1).

2. Further to the submissions contained in document FCCC/SB/2000/INF.8, the secretariat has now received additional information[1] from one Party, which is reproduced as received, in the attached annex.

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[1] In order to make this information available on electronic systems, including the World Wide Web, it has been reformatted. The secretariat has made every effort to ensure the correct reproduction of the text as submitted.

Annex

ADDITIONAL INFORMATION FROM CANADA

Canada's Activities and Programs which facilitate Capacity Building in Developing Countries

Category 1 MOUs and Other Agreements				
Country/Region	**Activity/Program**	**Description**	**Dates**	**GOC Dept.[1]**
Argentina	MOU on Environmental Cooperation	Agreement between Environment Canada, Industry Canada and the Argentine Secretariat for Natural Resources and the Environment to promote key environmental issues and establish long-term linkages to foster a cleaner global environment.	1996 - signed	EC / IC
Brazil	MOU on Environmental and Sustainable Development Consultations and Cooperation	Agreement between Government of Canada and the Government of Brazil to exchange views on international and regional environmental policy; to cooperate on issues including climate change; and to optimize opportunities to transfer environmental technologies.	1996- 2001	EC
Chile	MOU on Environmental Cooperation	MOU between Canada (Environment Canada and Industry Canada) with Chile's National Environmental Commission (CONAMA) to promote environmental protection, nature conservation, sustainable development and transfer of environmental technologies. Joint activities were carried out in the areas of cleaner production; regulations development; mining; environmental impact assessment; emergencies etc. It also provided	1995 - Jan. 2000	EC/ IC

[1] Government of Canada Departments responsible for projects include: EC - Environment Canada, CIDA - Canadian International Development Agency, DFAIT - Department of Foreign Affairs and International Trade (including the CDM/JI Office), IC - Industry Canada, NRCan - Natural Resources

		a forum to exchange views on international issues, including climate change.		
Chile	Canada-Chile Agreement on Environmental Cooperation	Agreement between the Governments of Chile and Canada as a side agreement to the Free Trade Agreement between the two countries to promote cooperation, public participation and effective enforcement of environmental legislation.	1997 - signed	EC
China	MOU with the Chinese State Development and Planning Commission	Both parties have agreed in principle to the MOU, which will contribute to a better mutual understanding of policies and programs to promote the sustainable development of energy, in areas such as energy efficiency and energy diversification. The possibility of cooperating in energy technology R&D and promoting scientific exchanges will also be explored.	over the course of the year 2000	NRCan
China	MOU on Environmental Cooperation	MOU between China's State Environmental Protection Agency and Environment Canada to formalize cooperative work in areas supporting the long-term goal of sustainable development.	1993 Renewed 1998	EC
China	Framework Statement for Cooperation on Environment into the 21st Century	Between the Government of Canada and the Government of the People's Republic of China to strengthen bilateral cooperation and develop and implement cooperation projects to address climate change including technology transfer and cooperation under the Clean Development Mechanism.	1998 Nov.	EC

China	MOU on for Cooperation in Meteorological Matters	Agreement between Environment Canada's Meteorological Service of Canada and the Chinese Meteorological Administration is to further engage China in climate change issues, build institutional capacity, exchange experts, provide training and technology to assist in modernizing China's weather service.	Signed 1986 renewed for 5 years in 1996	EC
Colombia	MOU on Research and Development Cooperation in Science and Technology	MOU Between Environment Canada (EPS - ETC) and the Colombian Petroleum Institute to undertake a program of cooperation on pollution measurement, prevention and control. Research development and demonstration	1997 -2002	EC
Cuba	Letter of Understanding on Environmental Cooperation	Agreement between Canada (Industry Canada and Environment Canada) with MINBAS and CITMA to promote environmental cooperation, sustainable development and transfer of environmental technologies	1998 - signed	IC/EC
Egypt	Letter of Understanding on Environmental Cooperation	Agreement between Canada (Industry Canada) with EEAA to promote environmental cooperation, sustainable development and transfer of environmental technologies	1999 - signed	IC
Hong Kong	MOU on Environmental Cooperation	Agreement between Environment Canada and Hong Kong Planning, Environment and Lands Bureau to maintain and enhance cooperation in the field of environmental affairs	1998- 2003	EC
India	MOU on Environmental Institutional Strengthening	Agreement between the Governments of Canada and India to build India's capacity to deal with environmental problems and contribute to global solutions. Environment Canada is the Canadian Executive Agency to CIDA administered funds.	Signed 1999 - 2004	EC

Korea	MOU on Environmental Cooperation	Agreement between Environment Canada and Korean Ministry of Environment to work cooperatively in the areas of clean technologies, EIA, public education and awareness and atmospheric issues	1995	EC
Mexico	Memorandum of Understanding (MOU) on Energy Efficiency and Alternative Energy with the Mexican Secretariat of Energy	Contribute to the national efforts of both countries to increase energy efficiency and encourage the alternative use of energy	Signed in June 1996	NRCan
Mexico	Canada - Mexico Agreement on Environmental Cooperation	This agreement provides a framework for environmental cooperation in various sectors, including the several projects related to climate change	1990 - Signed	EC
Mexico	Joint Declaration of Intent on Future Collaboration on Climate Change	Agreement between SEMARNAP and Environment Canada to explore activities in the areas of the Kyoto Mechanisms, sinks, climate change science and adaptation and technology transfer	1999	EC
Taiwan	MOU on Environmental Cooperation	Agreement between Environment Canada and the Taiwan Environmental Protection Agency to maintain and enhance bilateral cooperation in environmental matters and to promote environmentally sound technologies and contribute to sustainable development	1996	EC
Korea	Joint Working Group on Greenhouse Gases	The Joint Working Group seeks to identify GHG reduction opportunities leading to CDM projects Natural Resources Canada co-chairs this group with Korea, Canada's CDM/JI Office also participates	2000	NRCan / DFAIT

Category 2 Projects which target Climate Change				
Country/Region	**Activity/Program**	**Description**	**Dates**	GOC Dept.[2]
Africa	Regional capacity reinforcement for African Climate Change negotiators	Two roundtables and one workshop on strengthening the capacity of African negotiators in negotiating theory, skills and international law within the context of the UNFCCC	June- Nov., 2000	DFAIT
Argentina	Canada/World Bank Funded Study on the Flexibility Mechanisms	This study facilitates strengthening capacity by evaluating the opportunities provided to Argentina by the Kyoto Mechanisms and the convenience of entering potential emission credit markets, as well as in predetermining an effective institutional structure to address the scientific and technical aspects of climate change. Two workshops were held in Argentina.	1998 - 1999	EC
Argentina, Chile and Brazil	Climate Change Technology Workshop	Workshops on climate change technology took place in each of the three countries	Dec. 1999	IC
Caribbean	Capacity Building for Caribbean Participation in the CDM	These three workshops facilitated building capacity by establishing a team of regional experts for identifying CDM projects, evaluating project additionality and eliminating national barriers in CDM projects, with the view of developing strategies for promoting CDM investments in the region and establishing a regional Climate Change Centre	April-Nov., 2000	DFAIT
Chile Argentina	CANSET Program with International Development	The Canada-Southern Cone Environmental Technology Transfer (CANSCET) initiative		EC

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Uruguay	Research Council and Industry Canada	transferred Canadian environmental technology and expertise to the Southern Cone countries of Argentina, Chile and Uruguay. Eleven projects were delivered, responding to the needs and priorities in the region. CANSCET was completed in September 1999. One of the CANSCET activities was a climate change regional roundtable, held in March 1999. This forum brought together public and private sector decision-makers and technical experts from Canada, Chile, Argentina, Uruguay and Brazil to discuss technology solutions for climate change issues.		
China	Cooperation Arrangement to Identify Projects for China-Canada Cooperation in the Area of Climate Change	This study under the MOU will identify and elaborate on the most promising projects for China-Canada cooperation in the area of greenhouse gas (GHG) mitigation. Cooperation and capacity building will be focused on projects in areas where the specific and combined strengths of China and Canada can have the greatest beneficial impact.	1999- 2000	EC
China	Workshop on Climate Change Technologies	This workshop sought to identify potential cooperation activities related to climate change, develop a better understanding of China's capacity building and technology needs, and explore technological solutions.	1999 - April Beijing	IC
China	Climate and Climate Change Impacts Workshop	Activity under MOU on Meteorological Matters to highlight inter-comparisons between a Canada country study and similar studies in China. This workshop was held in Edmonton and involved scientists from a number of agencies in both Canada and China.	1998	EC

China	Workshop on Global Observing Systems (Beijing)	Environment Canada co-hosted this workshop which included participants from Japan, Korea, Malaysia, Philippines, Hong Kong and Macao. The workshop facilitated capacity building by exploring the application of new technologies, telecommunications networks, data processing and dissemination systems, as well as network strategy. Emphasis was on the Global Climate Observing System (GCOS)	1998	EC
China	China Meteorological Administration (CMA) Delegation Visit (Vancouver, Toronto, Montreal and Ottawa)	Under the MOU with CMA a delegation of 25 CMA experts visited four Canadian cities. Capacity building was supported through the sharing of information. The emphases during the visit were on modernization strategies, disaster mitigation, remote sensing technologies, climate change impacts, science and underlying modeling activity	1999 - April	EC
El Salvador	Canadian Environmental Network - International Capacity Building Project	This project seeks to build capacity by exploring the issue of global Climate Change and strengthening partnerships, networking as well as holding a workshop on joint implementation and the Kyoto Protocol	1998-1999	CIDA
El Salvador	Frostbite & Sunburns 1999	Frostbite and Sunburns - Canadian initiatives in the context of global climate change - Conference	1999	CIDA
Ecuador / Granada	Global Links to Climate Change	This project seeks to build capacity to reduce global warming and improve quality of life and the environment by changing behaviour and effecting policies.	1998-present	CIDA
Ghana	Global Partnership Protect Ozone: Friends of the Earth	This project seeks to strengthen the participation of Civil Society on the Protection of Ozone Layer, which includes reduction of chemical emissions that contribute to climate change	1998-present	CIDA

Honduras	Environmental Technologies Workshop	The workshop provided Honduran and Canadian participants from both government and the private sector with an opportunity to review and learn about environmental technologies including climate change technologies	1999	IC
Honduras	Natural Resource Management	This project provides capacity building for sustainable management of natural resources policy including forests, agricultural land, water, and marine/coastal areas. Sub-components of the project are: helping Honduras set up an organization for the Clean Development Mechanism and a Cleaner Production Centre as well as a study on energy-efficiency opportunities in Honduras	1998- 2002	CIDA/ DFAIT
India	Canada Energy Efficiency Project	This project builds Indian capacity to promote environmentally sound development through public and corporate policy-making and cooperation in the fields of energy efficiency and GHG emissions	1997- 2001	CIDA
India	India-Canada Environment Facility	This umbrella project seeks to enhance Indian capacity to implement sustainable development activities in the water and energy sector. There are over 15 projects currently underway, a number of which have a climate change component (e.g., tree plantations, coastal wetlands, wind energy, etc.)	1991- 2004	CIDA
Latin America and Caribbean	The HEI Climate Change Working Group	The aim is to facilitate discussion, exchange of information and potential cooperation among countries of the Americas on climate change and the implications and opportunities for our energy sectors, including energy technologies."		NRCan

Mexico	Study on Climate Change	Study under MOU to provide assistance to develop a monitoring program for potential Clean Development Mechanism projects in Mexico and reduce the risks to investors. In partnership with Woodrising Consultants, Environment Canada, Natural Resources Canada SEMARNAP and INE of Mexico.	1998	EC
Mexico	Canada-Mexico Workshop on Climate Change	Activity under the Joint Declaration of Intent to exchange information on how each country is addressing the threat of climate change through its initiatives, activities and new institutions. Also serve to identify potential and existing technological solutions to mitigate climate change and explore areas of joint collaboration between Canada and Mexico - including the identification of potential project opportunities that could be undertaken under the Clean Development Mechanism.	Feb. 17 & 18, 2000 Mexico City	EC
Mexico, US, Canada	Regional Cooperation Toward Improve Understanding and Eventual Implementation of the CDM	The purpose of this trilateral project under the Commission on Environmental Cooperation (CEC) is to develop North American opportunities for cooperation in reducing GHG, through project-based emissions credit activities such as CDM and JI.	1999	EC
Multinational	Cities for Climate Protection and Agenda 21 linkages	This program supports local capacity for environmental management and sustainable development for climate protection and Agenda 21	1999-present	CIDA
Senegal	National Climate Change Consultation Process	A workshop to support the national stakeholder consultative process in view of producing the second national communication.	Sept. 1999	DFAIT
Senegal	African UNFCCC Workshops	African Workshop to enhance the capacity of African to negotiate issues to the Kyoto Protocol	1998-1999	CIDA

Southeast Asia Regional	Tree Link	This project develops and implements forest renewal, conservation and protection policies and practices to address the disastrous 1997 forest fire season, recent flooding and increased international pressure through the Kyoto Protocol to address climate change. This project helps to build the capacity of the region to manage their forest resources.	1998- 2003	CIDA
Taiwan	Economic Impact Assessment - Reduction of Greenhouse Gases	Activity under MOU to evaluate the contributions of GHG emissions for the energy, transport, and industry sector and provide a model for evaluation of the economic impact from the energy, transport and industry sectors.	1998	EC
Caribbean Region	Caribbean Planning for Adaptation to Climate Change (CPACC)	Environment Canada is providing assistance, on an informal basis, to Caribbean countries in the areas of Regional Climate Modeling and a Master's-level university program on climate change. This project will help the Caribbean region build its capacity to adapt to the adverse effects of climate change.	1998- 2000	EC

Category 3 Projects with an impact on Climate Change				
Country/Region	**Activity/Program**	**Description**	**Dates**	GOC Dept.[3]
Argentina	CIUDAD 21 Urban Agro-Ecology	This project seeks to build capacity for improvement in urban and water quality through waste recycling and other initiatives. Through the reduction of waste, GHG emissions from landfills is reduced.	1998-present	CIDA

[3]Government of Canada Departments responsible for projects include: EC - Environment Canada, CIDA - Canadian International Development Agency, DFAIT - Department of Foreign Affairs and International Trade (including the CDM/JI Office), IC - Industry Canada, NRCan - Natural Resources

Bangladesh	Environmental Management Program	This project aims to strengthen the institutional capacity of the Department of Environment including carrying out environmental management demonstration areas and other environmental initiative which can help reduce GHG emissions (including a small demonstration project targeting the conversion of rickshaws to natural gas)	1998- 2003	CIDA
Bolivia	Oil and Gas Project Phase II	This project has assisted Bolivia in building the capacity to develop environmental regulations and guidelines and contributed to increases in gas reserves which will help reduce CO2 emissions in Bolivia and Brazil.	1998- 2002	CIDA
Bolivia	Training and agricultural production	This project seeks to build the capacity of Bolivia to make sustainable improvements in agricultural productivity and - biological agriculture and soil conservation. This could increase carbon sequestration in soils.	1998- present	CIDA
Brazil	Electrical Energy Efficiency Project (Technology Transfer Fund@ sub-project)	Through this project the Brazilian National Energy Efficiency Program ` ` (PROCEL) can build its capacity by drawing on successful Canadian models of demand-side management to change consumer patterns of electricity consumption and improve efficiencies.	1997- 2000	CIDA
Cameroon	Sustainable Management of Obang Forest - Forest Protection and Agroforestry to protect water quality	The purpose of this project is to protect the water catchment that supplies water to the villages. This requires protecting intact areas of forest as well as reforesting some areas. This contributes to both protection of carbon sinks as well as support to reduce vulnerability to climate change.	1999- present	CIDA

Central America Regional	Regional Electrical Energy Project	This project supports the reform of the electrical sub-sector and enhanced regional collaboration in the exchange of electricity, and is increasing efficiencies, reducing losses, introducing demand side management, helping develop strategies for increased use of hydro electric resources and providing support for an initiative to determine the feasibility of importing natural gas into the region. The project builds the capacity of the region to effectively manage its energy resources. The outcome of these initiatives will be to reduce the level of CO2 emissions.	1998- 2002	CIDA
Chile	Waste Management Project	This project seeks to help Chile build its capacity to pursue and promote activities in the three R's (Reduce, Reuse and Recycle) within community projects.	1998- present	CIDA
China	MAP (Microwave Assisted Process) Center of E` xcellence	This activity under the Canada-China MOU aims to build capacity and transfer Canadian MAP technology and expertise through training and joint research, including the establishment of a MAP pilot plant in Beijing. The MAP technology reduces greenhouse gas emissions by consuming less energy while generating less wastes.	1996- 2002	EC
China	SEPA-led delegation on Cleaner Production	This visit by Chinese official under the Canada-China MOU will help build capacity through learning about cleaner production technologies and know-how as well as the Canadian policy and regulatory framework for Cleaner Production	1998	EC

China	Environmental Predictions	This activity focuses on predictions on time scales ranging from days to decades with some application to air quality and the urban environment. The development of coupled models for flood forecasting and the investigation of extreme events in the urban environment are foci. Work on seasonal forecasts is also included. This contributes to increasing China's ability to adapt to climate change.	1997- 2001	EC
China	Modeling the Transition of Hurricanes and Typhoons in Mid-latitudes	Project under MOU with CMA was to host a CMA expert for one year to participate in a collaborative modeling study.	1999	EC
China	Cooperation in Cleaner Production	In this project, emphasis is placed on pollution prevention, conservation of raw materials and energy, eliminating toxic raw materials, etc. by strengthening institutional capacity to implement cleaner production.	1996- 2001	CIDA
China	Canada-China Jiangsu Small and Medium-sized Enterprises Applied Management and Environment` `	This projects seeks to provide assistance in management and environmental/business capacity for Small and Medium-sized enterprises through increasing awareness and demonstration projects around waste minimization, cleaner production, etc.` `	1998- 2003	CIDA
China	Kunming Horticulture Exposition - Trees for Life Canada	This project provides support for reforestation and enhanced awareness of the importance of trees in order to contribute to environmentally sustainable development in China. This, therefore, contributes to protection of carbon sinks.	1998- 1999	CIDA
China	Energy Efficiency in Buildings	This project aims to build the capacity of China's Ministry of Construction to develop energy efficiency standards for buildings, based on Canadian technology, thereby reducing GHG emissions.	1996- 2001	CIDA

China	Hebei Dryland Project	This project develops and transfers ecologically sound dryland management technology and improves water efficiency, balanced fertilization practices (reduces N2O), etc.	1996- 2001	CIDA
China	Nutrient Management and Strategies for Sustainable Development in China	This project aims to promote environmentally sustainable development by enhancing the capacity of farmers, decision-makers and policy-makers in China to promote the balanced use of fertilizers and improved soil management.	1999- 2004	CIDA
China	Oil and Gas Technology Transfer	This project assists in the development of optimal recovery of China's oil and gas resources by upgrading capacity.	1994- 2001	CIDA
China	Strategic Energy Planning for Southern China	This project transfers appropriate processes and techniques to build capacity in China for developing a comprehensive strategy to provide power and coal for Southern China within an economically, environmentally and socially sustainable energy management framework.	1995- 1999 Possible phase II	CIDA
Colombia	Specialized exhaust emissions sampling system of petroleum research programs	The objective of the four month project under the Canada-Columbia MOU is to design a constant volume sampling system based on constant flow venturiis with the capacity of testing engines of 1 to 6 displacement. The information generated can build capacity for establishing a baseline greenhouse gas inventory.	1999- 2000	EC
Colombia	Energy, Mining, and Environment	This project involves strengthening of two ministries, Environment and Mines and Energy, including energy efficiency and conservation as well as expanded use of natural gas. These actions will reduce CO2 emissions.	1997- 2003	CIDA

Costa Rica	Productive Sector Modernization	This project seeks to build capacity for more efficient production in small and medium sized industries with resulting lower GHG emissions.	1998- 2003	CIDA
Costa Rica	Development of Laws and Policies to Help in Meeting Agenda 21 Commitments	Two Canadian and Costarican organizations will jointly develop laws and policies to help them meet their Agenda 21 commitments in the areas of a) consumption, pollution and waste, and b) biodiversity conservation.	1998- present	CIDA
Costa Rica	Energy Efficiency Project	This project builds capacity in the installation and management of a digital simulator of electric networks contributing to increase energy efficiency	1998- 1999	CIDA
Cuba	Havanas Women Bicycle Project	This project seeks to increase capacity by building knowledge through a study of how to increase the access to bicycles as well as skills and technologies related to human-powered transport	1998- present	CIDA
Cuba	Cuba-Canada Environment ` Restoration Project	This project seeks to build capacity through support to a' ' ction-oriented environmental education and restoration. It will also contribute to the environmental regeneration of a denuded area of the Almendares River through the establishment of a permanent nursery, thereby enhancing carbon sinks.	1998- present' '	CIDA
Cuba	Solar Power Project	This project seeks to provide electricity to 60 medical clinics through solar power.	1998- present	CIDA
Cuba	Bicycle and Wheelchair Mechanic Training Pilot: Trade Union Group	This project seeks to provide safe, reliable and environmentally sound transportation for citizens and small industry as well as training and capacity building in their use and maintenance.	1999- present	CIDA
Dominican Republic	Integrated Management of the Ocoa River	This project supports reforestation, soil conservation, farm management, as well as environment studies and education programs to enhance local capacity. It could contribute to increased carbon sequestration.	1999- present	CIDA

Dominican Republic	Organic Agricultural Project:	This project strengthens capacity for sound management of natural and renewable resources through the use of organic agricultural production and methods. The result will be increased sequestration of GHGs.	1998-present	CIDA
Ghana	Janga Project: Ghana Rural Integrated Development	This project includes the promotion of and capacity building for organic farming and tree nursery training, thereby contributing to enhancement of carbon sinks.	1998-present	CIDA
Guatemala	Community Pedal Power	To provide pedal powered mills and pumps to indigenous Guatemalan rural communities, thereby increasing capacity to utilize GHG emissions-free power sources.	1999-present	CIDA
Haiti	Create a Model Electrical Utility at Jacmel (part of Technical Assistance to EDH - Phase II)	The project is creating the first electrical utility which will operate with low losses in Haiti. This is being achieved mainly through capacity development of the electrical utilities staff and will reduce CO2 emissions.	1999- 2001	CIDA
Honduras	Broadleaf Forest Development	Forest management practices are being introduced to reduce deforestation, improve knowledge about protection and harvesting of forests, and to manage land use. The result is protection of carbon sinks.	1996- 2001	CIDA
India	Environmental Management Systems/Greening of Government initiative	This project is part of a 5-year MOU with the central government in India. It seeks to build capacity by undertaking activities such as energy retrofits that will improve environmental performance and conserve energy.	2001- 2002	EC
India	Compressed Natural Gas 3-Wheeler conversions	This project, under the Canada-India MOU, to transfer Canadian technology which provides capacity to retrofit 2-cycle 3-wheel auto-rickshaws to a cleaner operating system.	2000- 2001	EC

India	The International Centre for the Sustainable Development of the Cement and Concrete Industries	This project aims to assist India promote the use flyash as a supplementary cementing material for concrete production. Replacing cement with flyash reduces the GHG emissions associated with cement production.		NRCan
India	Boiler Emission Upgrade	This project aims to increase the capacity of Indian stakeholders through increased awareness of, and means to introduce viable technology to revamp old and failing power plans using circulating fluidized bed technology	1998- 2004	CIDA
India	Kerala State Electricity Board Systems Enhancement: ` ` IDUKKI Dam Project	This project aims to increase the availability of electricity in Kerala State in part through reduction of energy losses in the transmission and distribution system` `. It will also build capacity for operating efficiency related to water and energy-use management among other things.	1988- 2000	CIDA
India	MOEF Institutional Strengthening	This project will strengthen the capacity of the MOEF to address a broad range of environmental issues one of which is converting three wheelers to natural gas, thereby reducing greenhouse gas emissions	2000- 2005	CIDA
India	Canada-India Rural Energy Project	This project aims to increase the utilization of alternative energy technologies among poor households in India. It will also strengthen the capacity of a network of NGOs to deliver energy-related activities.	1998- 2003	CIDA
India	Chamera Hydroelectric Project	This project seeks to upgrade the capacities of the National Hydroelectric Power Corporation and design and construct a 540 mW hydroelectric dam	1983- 2000	CIDA
India	Alternate Fuels Project	This project supports the conversion of vehicles to run on cleaner fuel.	1998- 2000	CIDA

Indonesia	North Sulawesi Water Resources Institutional Development Project	This project aims to improve the management, design, construction, monitoring, flood control, etc. for the water sector. This will contribute to increased capacity to adapt to climate change	1989- 2000	CIDA
Jamaica	Green Fund Extension	This project strengthens capacity through support to community-based initiative which will contribute to the sound management and conservation of Jamaica's Natural Resources and to improve advocacy and development through more effective networking. Sub-projects have dealt with alternate sources of energy and im' proved agriculture and agroforestry practices.	1998 - 2004	CIDA
Latin America/ Caribbean	ESMAP Refinery Project	This project is assessing the impact of applying new and cleaner fuel specifications on the refining industry in the LAC region. The long term benefits of this project include increased capacity in the refinery industry and improved air quality and reduced emissions.	1999- 2000	CIDA
Mali	Support to Electricity Sector in Bamako	This project supports and builds capacity for strategic planning activities directed towards improving operation (efficiency) and maintenance of high voltage transmission systems.	1999 - 2004	CIDA
Mali	Environmental rehabilitation and food security	This project builds capacity in decentralized institutions to deal with natural resource management and supports specific environmental interventions as they relate to both adaptation to desertification due to climatic changes and to improved food production.	1990 - 1998	CIDA
Mexico	Women's Community Centres: Change for Children	Through training of women's groups in recycling and waste management as well as program management, this project will reduce GHG.	1998- present	CIDA

Multinational Southern Africa	Zambezi Wetlands Conservation	The primary objective of this project is conservation and sustainable use of the wetlands. This will be accomplished through information dissemination to decision makers which will help build their capacity to manage these wetlands. A by-product of such action is the preservation of a carbon sink.	1991 - 1999	CIDA
Multinational Africa	Waste-Econ Program	This project facilitates capacity building in waste reduction, recycling and improving employment conditions through pilot programs and educational initiativesK.	1999- present	CIDA
Pakistan	Institutional Linkage between Emissions Research & Measurement Division and Balochistan Environmental Protection Agency	This project is aimed at capacity building of BEPA in vehicular emissions monitoring, evaluation & control including a demonstration project to convert two-stroke auto-rickshaws to operate on Compressed Natural Gas. CIDA is also providing grant to Pakistan to set up a CNG refueling station in Balochistan.	1999- 2001	EC
Pakistan	A demonstration project to convert two-stroke auto-rickshaws to CNG	This is a demonstration project funded by the Canadian Technology Early Actions Measures to convert two-stroke auto-rickshaws to operate on Compressed Natural Gas in Karachi and Lahore involving collaboration between Yugo-tech Gas Conversion System Inc., ERMD and provincial EPAs of Sindh & Punjab.	1999- 2001	EC
Pakistan	WARSEK Rehabilitation Project	This project will assist the Water and Power Development Authority to rehabilitate a hydroelectric.	1994- 2000	CIDA
Peru	Petroleum Regulatory Assistance	This project focuses on strengthening the regulation and monitoring of the hydrocarbon sector. With a better regulatory system for the natural gas sector, the use of this resource will replace current fuels resulting in lower emissions.	1998- 2003	CIDA

Senegal (OMVS)	Impact assessment and studies of electrical distribution network	The studies will help build capacity by determining the best design for high voltage transmission lines which will improve the efficiency of the distribution network, thereby reducing GHG emissions.	1995 - 2000	CIDA
South America Regional	Environment Project with the regional petroleum companies (ARPEL)	This project promotes and advances, through capacity building, standardized approaches to environmental protection in the region. Two components deal with energy efficiency and reducing emissions from vehicles and industries.	1995- 2000	CIDA
India	Energy Infrastructure Services Project	This project will strengthen the capacity of the Indian Government and Central Electricity Research Commission in the process of organizational restructuring and policy reforms required to improve the efficiency and environmental management in the energy sector in two states.	1997- 2002	CIDA
South America Regional	Energy and Environment Project, Latin American Energy Organization (OLADE)	This project is developing capacity within the region to strengthen environmental and regulatory frameworks to allow for sound development and sustainable use of fossil fuel resources.	1996- 2002	CIDA
Kazakhstan	Transmission Rehabilitation Project	This project facilitates the procurement of goods and services for an electrical substation upgrade in Kazakhstan, which is part of US $140 million World Bank loan for electricity transmission rehabilitation. The project will increase efficiency in electricity generation in Kazakhstan	1999 - 2000	CIDA

Turkmenistan	Refinery Project	This project will assist officials at Turkmenbasi Refinery to secure financing for an upgrade of the refinery through the use of Western-style business practices. The upgrade will increase the efficiency of the plant thereby reducing emissions. The project will include the development of organizational capacity and training of both technical and financial specialists.	1997 - 2001	CIDA
Kazakhstan	Pipeline Systems Training	The Pipeline Systems Training project aims to strengthen the capacity of the $Kazakhstani human resource to meet the growing needs in the oil and gas sector and to increase productivity and efficiency, thus reducing GHG emissions.	1998- 2000	CIDA
Kazakhstan	Higher Education Technical Assistance Project	This project aims at developing the capacity of two Kazak educational institutions to deliver demand driven technical/vocational education and training programs to industry, focusing on the oil and gas sector and increasing the efficiency of the sector, thereby decreasing GHG emissions.	1997 - 2001	CIDA
Kazakhstan	National Drilling Core Repository & Research Facility	This project aims to lay the regulatory and financial groundwork for the construction and maintenance of a National Core Repository Centre complete with state of the art laboratories for the analysis of core, drill cutting samples and fluids and the monitoring of environmental conditions surrounding petroleum fields. This will increase the efficiency of exploration and reduce the total energy required.	1998 - 2001	CIDA
Kazakhstan	Training Partnership	The Canada-Kazakhstan Training partnership will aim to strengthen the technical skills of workers in the petroleum sector in order to increase oil field productivity and efficiency.	1998 - 2002	CIDA

Category 4 Projects related to Capacity Building for Climate Change				
Country/Region	**Activity/Program**	**Description**	**Dates**	GOC Dept.[4]
Cambodia, Laos, Vietnam	Canada/Thailand Trilateral Environmental Project	This project seeks to build capacity, in part through the provision of technical assistance, in Cambodia, Lao PDR and Vietnam on environmental aspects of energy development	1995- 1999	CIDA
Cameroon	Sustainable forest management	This project contributes to the sustainable management of forests which are carbon sinks	1994-2000	CIDA
Chile	Chiloé Model Forest (Technology Transfer Fund sub-project)	The International Model Forest Network Secretariat, housed at Canada's International Development Research Centre, is working with the Chilean Ministry of Agriculture to enhance its capacity to introduce Canada's "model forest" approach in Chiloé.	1998- 2000	CIDA
Ecuador	Exchange Program	The goal of the project is to enhance environmental organizations' capacity to demonstrate that conservation initiatives can provide viable rural community development, i.e., protection of the Mindo-Nambillo forest can be promoted through ecotourism. This will result in protection of carbon sinks.	1999-present	CIDA
Fiji	Wainimate Institutional & Program Development for Women	This project will increase women's ability to preserve traditional medicine through forest and environmental conservation. This will also result in protected carbon sinks.	1998-present	CIDA

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Guinea	Energy Sector Program Planning	Development of energy sector programming and training through the development assistance program	1999- 2002	CIDA
Multinational South Africa	Forestry Sector Technical Co-ordination Unit Phase II	This project provides institutional support to the FSTCU in Malawi which has responsibility for forestry issues in SADC. Improved practices will protect carbon sinks.	1991 - 1999	CIDA
Multinational	Energy management training project	This project provided 3,000 person-days of training for interns in energy management	1998- present	CIDA
South America	Globesar II (RADARSAT)	This project is assisting in resource management by tracking deforestation and reduction of wetlands, resulting in protection of these important carbon sinks. This knowledge will contribute to increased capacity of South American decision-makers in resource management.	1997- 2001	CIDA
Thailand	Urban Greening in Thailand	This technical assistance program seeks to facilitate the strengthening of Thai capacity to undertake urban greening demonstration project in Bangkok, Thailand. Urban greening should result in an increase of carbon sequestration.	1999- present	CIDA
Argentina	Fire Management Technology (Technology Transfer Fund sub-project)	The BC Forest Service (BC Ministry of Forests) is working with the Argentinean National Fire Management Organization to develop a national infrastructure that will prevent and manage forest fires in Argentina.	1999- 2001	CIDA
Cameroon	Support to environmental NGOs	This project supports the capacity development related to environmental issues.	1995 - 2001	CIDA

Central America	Alliance for Sustainable Development	This projects aims to increase collaboration among the private sector, civil society, and the public sector in areas related to environmentally sustainable development. By adopting this multi-stakeholder capacity building approach, this project is likely to result in protection of carbon sinks and reduction in output of greenhouse gases.	ended 1999	CIDA
China	Comprehensive Transport Management Training	This project aims to strengthen China's managerial, planning and operational practices in the transportation sector, thereby contributing to increased capacity to reduce GHG emissions from the transportation sector.	1993- 2001	CIDA
Costa Rica	Economic Development for Economic Conservation	This project supports capacity building for ecological conservation through organic agriculture and appropriate ecotourism initiatives. It can therefore contribute to reduced GHG concentrations in the atmosphere.	1999-present	CIDA
Egypt	Electricity Sector Reform	This project aims to support reform of the energy sector in Egypt and encourage greater efficiency, through capacity building of local authorities, thereby reducing wasted emissions.	1994 - 2000	CIDA
Ethiopia	Bette Valley Integrated Community Development Project	This project aims to build capacity and linkages between various ministry offices in the area as well as educate local community members. It includes a component focused on forests, thereby contributing to conservation of carbon sinks.	1998-present	CIDA
Haiti	Society for Reforestation in Haiti - Cooperation Project	This projects studies the protection of water resources, reforestation, waste management and education with respect to the environment. With this increased knowledge, Haitian capacities will be increased.	1998	CIDA

Honduras	Water and Sanitation (watershed protection)	This project includes capacity building for the sustainable management of forests to protect the watershed resulting in protection of carbon sinks and increased ability to adapt to climatic and precipitation pattern changes.	ended 1999	CIDA
India	Tree Growers Cooperative	This project seeks to create a truly sustainable model for village-based community forestry through local capacity building. It will contribute to the protection and enhancement of valuable carbon sinks.	1991- 2003	CIDA
India	Environmental Management Programme	This project is designed to improve the capacity of the Confederation of Indian Industry's Environmental Management Division to participate, raise awareness and promote cooperation in the development of environmental policies for industry.	1995- 2001	CIDA
Indonesia	Collaborative Environmental Protection Project	This project will build capacity in strengthening environmental policies and regulations, provide support to universities, develop and demonstrate small projects for dealing with a variety of environmental issues.	1995- 2002	CIDA
Indonesia	Promoting Sustainable Forests	This project seeks to build capacity for the establishment of an approach and methodology for community-based forest management which will result in a more sustainable management of carbon sinks.	1999- present	CIDA
Mexico	Environmental Management Systems (EMS) Workshops	This project was pursued in cooperation with UNEP to assist Mexico in organizing an international workshop on EMS and Greening of Government. Two workshops were organized in Mexico.	1998 - Mexico City 1999 - Guanajua	EC

Mexico	Participation in Technical and Scientific Conferences	This activity under the Mexico-Canada MOU encourages experts to attend and speak at major environmental conferences in Canada and Mexico; to facilitate exchange of information and technology, thereby increasing capacity.	1998	EC
Multinational	Environmental programming	This program seeks to build capacity to strengthen world-wide action towards a sustainable environment - biodiversity, plants and forests, energy, etc.	1998-present	CIDA
Multinational	PACEM in Maribus XXVI	This Conference on Knowledge Development and Management contributed to increased capacity through information sharing and creation for ocean space and resource users.	1998	CIDA
Multinational	New approaches to good oceans governance and coastal management practices	This program provides new orientations and techniques for the development of policies on good governance of oceans and best practices of coastal zone management. This will contribute to an increased capacity to adapt to sea level rise.	1998-1999	CIDA
Nepal	WECS Institutional Development	This project seeks to increase the capacity for environmentally sound water and energy management.	1996- 2002	CIDA
Nepal	Collaborative Local Initiatives for Environment (CLIFE)	This project aims to increase the capacity for community environmental management in Nepal, with a focus on water and energy management.	1997-2001	CIDA
Nicaragua	Community Health and Environmental Education: Centre for International Solidarity Alma	This project supports capacity building of 16 communities to improve the quality of the environment through improved environmental management. It may contribute, also, to reducing vulnerabilities to climate change.	1998-present	CIDA

Pakistan	Institutional Linkage between Environmental Technology Advancement Directorate & the Pakistan Environmental Protection Agency	Funded by CIDA, ETAD is assisting PEPA in building capacity for Environmental Laboratory Accreditation, Environmental Technology Verification, Containment of Oil Spills, Hazardous Products Handling and Clean Air Program.	1999- 2001	EC
Pakistan	Strategic Technical Assistance and Responsive Transfer Fund	This project will support the four programming priorities in Pakistan including energy, social sector, environment and private sector development.	1996- 2003	CIDA
Pakistan	Oil and Gas Programme	This program will strengthen the capacities of government and private sector institutions to manage the oil and gas resources in a more sustainable manner.	1996- 2001	CIDA
Papua New-Guinea	Environmental Awareness, Education & Training	This project will provide training for the sustainable management of forest resources and biodiversity.	1999- present	CIDA
Philippines	Alternative Environmental Law and Community Empowerment Project	This project builds capacity for legal services and training in relation with biodiversity conservation, coastal resource management and the environment. It can contribute to reduced vulnerability of coastal areas to adverse effects of climate change.	1999- present	CIDA
Southeast Asia Regional	Urban Environmental Management Project	This project will establish effective and sustainable urban environmental management educational programs and business services at AIT and provide opportunities for Canadian environmental companies to demonstrate technologies and services.	1996- 2001	CIDA
Southeast Asia Regional	Asia Regional Fire Danger Ratings System	This project will increase capacity and develop long-term solutions for responding to and monitoring forest fires in the ASEAN region	1999- 2001	CIDA

Tunisia	Setting Targets for Biodiversity Conservation	Canada provided support to a Biodiversity Conservation Workshop in Tunisia, which sought to build capacity by engaging stakeholders and exploring targets related to sustainable use of resources, etc.	1998	CIDA
Vietnam	Vietnam-Canada Economic and Environmental Management Project	This project aims to strengthen policy analysis capabilities of selected institutions, researchers, analysts in the areas of economic reform and environmental management including natural resource management.	1997- 2000	CIDA
Zimbabwe	Ministry of Environment Institutional Strengthening	This project seeks to strengthen the capacity of the Ministry of Environment, in so doing, it may address issues related to energy efficiency and provide assistance to professionals in the environmental sector.	1991 - 1998	CIDA
Kyrgyzstan	Institutional, Technological & Human Resources Development	The purpose of this project is to create a professional development program that will lead to an awareness among Kyrgyzstan policy makers and mining educators of the mining and resource management techniques that are used by international companies. The strategic transfer of Canadian mining technology and knowledge will lead to improved capacity of the partner institutions to offer high quality educational programs and to their ability to reduce GHG emissions.	1999 - 2002	CIDA

Category 5 Multilateral Projects with Canadian Participation or Support				
Country/Region	**Activity/Program**	**Description**	**Dates**	GOC Dept.[5]
Asia Pacific region (including China and Russia)	APEC Energy Working Group (EWG)	Many of its activities relate to enhancing understanding of policy issues and building the capacity of developing economies to implement energy policies consistent with sustainable development. Expert groups under the EWG deal with energy efficiency and conservation, "clean" use of fossil fuels, new and renewable energy technology, and energy data and outlook (including CO2 inventories and indicators).		NRCan
Asia/Africa/ Pacific	Pacific Institute initiative for North-South Partnership on Climate Change	Three workshops (Brazil, South Africa, South East Asia) on the practical implications of the CDM, with the objectives of identifying the defining characteristics of CDM projects, securing their financing and incorporating capacity building in them.	Jan.-May 2000	DFAIT
Multinational	International Energy Agency (IEA)	Through its policy research and analysis (including its work on indicators), the IEA stimulates discussion and understanding among its members of various energy-related climate change policy options and their impacts. This analytical work also feeds into the UNFCCC process and contributes to informed discussions on energy-related climate change issues internationally.[5]		NRCan

[5] Government of Canada Departments responsible for projects include: EC - Environment Canada, CIDA - Canadian International Development Agency, DFAIT - Department of Foreign Affairs and International Trade (including the CDM/JI Office), IC - Industry Canada, NRCan - Natural Resources

Asia-Pacific	Asia-Pacific Economic Cooperation	Canada participates in the APEC EWG Pledge and Review Initiative and Energy Standards Subgroup. The latter seeks to create a better understanding among APEC economies of testing procedures of the performance of energy consuming products, and assist those wishing to introduce labeling or minimum performance standards. Canada also participates in the APEC EWG Experts' Group on Clean Fossil Energy supports emissions reductions projects related to production and utilization of fossil fuels.		
Asia Pacific, Eastern Europe, Latin America	International Energy Agency Non-Member Country Activities	The International Energy Agency is expanding cooperation with other multilateral groups such as APEC, and with some of the larger developing or transitional countries (e.g., China, Russia), with a view towards promoting policies, programs and technologies consistent with the sustainable development of energy. Furthermore, the IEA is sharing its considerable modeling and policy analytical expertise with other international fora, such as the APEC Energy Working Group.		NRCan
China	China Council for International Cooperation on Environment and Development	The Council assists China to develop integrated coherent policies and capacity that recognize critical linkages between environmental sustainability and economic and social development.	1997- 2002	CIDA

Latin America and Caribbean	Hemispheric Energy Initiative (HEI)	Many of its activities relate to building the capacity of developing economies to implement energy policies consistent with sustainable development. NRCan leads the energy standards work in the HEI within the Energy Efficiency Working Group. We have also been involved in the area of buildings and equipment energy efficiency, with a view towards promoting information exchange and identifying areas of future cooperation.		NRCan
Turkey	Multilateral RD&D collaborations under the auspices OECD-International Energy Agency Implementing Agreement on Energy Conservation Through Energy Storage (ECES IA).	Several Annexes (Research Teams) with work sharing responsibilities, seek large improvements in energy efficiency through energy storage techniques and mechanisms to further up-take of renewable energies. This project seeks to build capacity through information exchanges, including regular workshops/ meetings, seminars, conferences, electronic discussion group and web page and demonstration and commercialization of findings. Participants from various countries include government agencies, private firms, research institutes and universities		EC

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